

The City must persuade the Feds it is in  
our best interest



moffatt & nichol

This study can help us answer these  
questions

- Moffatt & Nichol
- Kinnetics Laboratories, Inc.
- Dr. Phil King
- Clark Stevens

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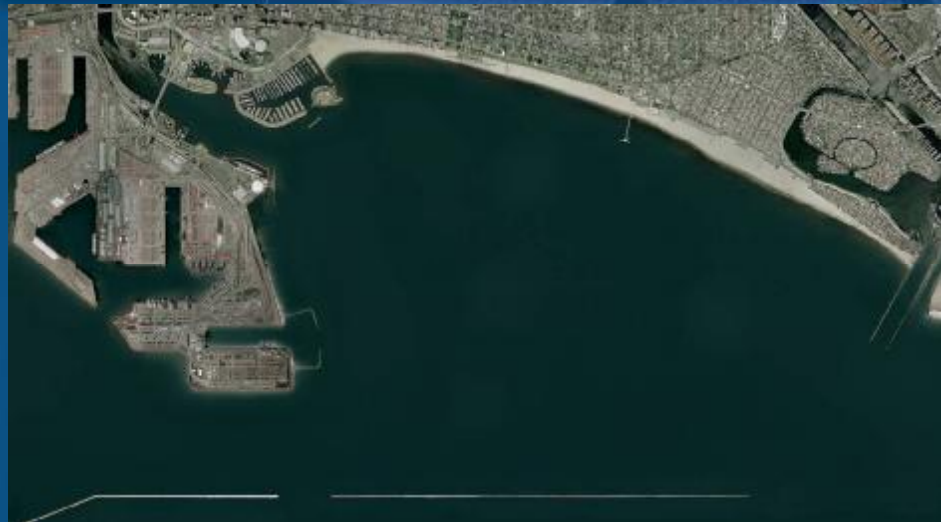
## Work with us and share your thoughts, ideas and observations

- Three Public Workshops
- Three-Part Workshop Format
- Plan for Breakout Sessions

## We all should understand the Corps' project implementation process

- Determine if water resources problems warrant Federal participation in Feasibility Studies
- Determine the Federal interest
- Complete a *905b Analysis*
- Prepare *Project Management Plan*
- Assess level of interest and support from non-Federal entities
- Negotiate and execute FCSA

The Breakwater is a federally owned  
and operated structure

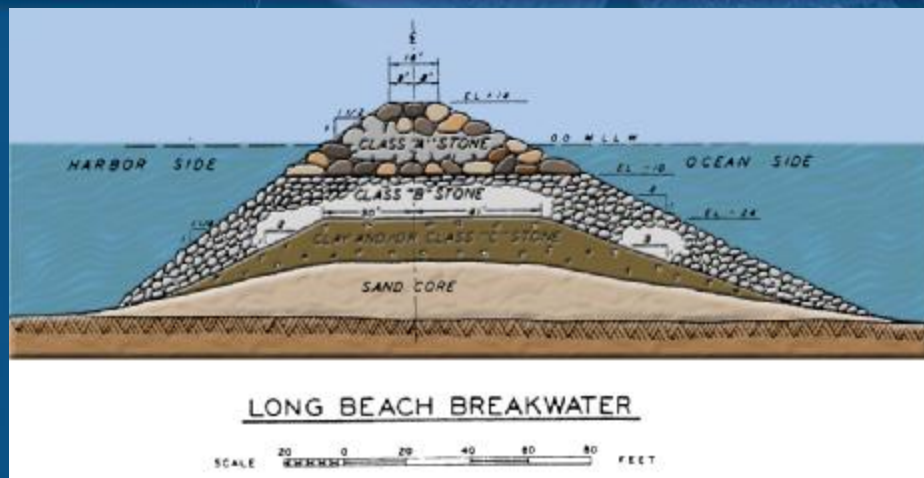


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SP-584, Roosevelt Base, Peralta Island, California. 29 Sept. 1941; 2:05 p.m. Tide +4.2 ft. Contract Ndy-4273. Item 16. Floating derricks No. K-600 (right) and No. 4 (left) piling diverside "A" rock on outer breakwater.

## Breakwater Profile View



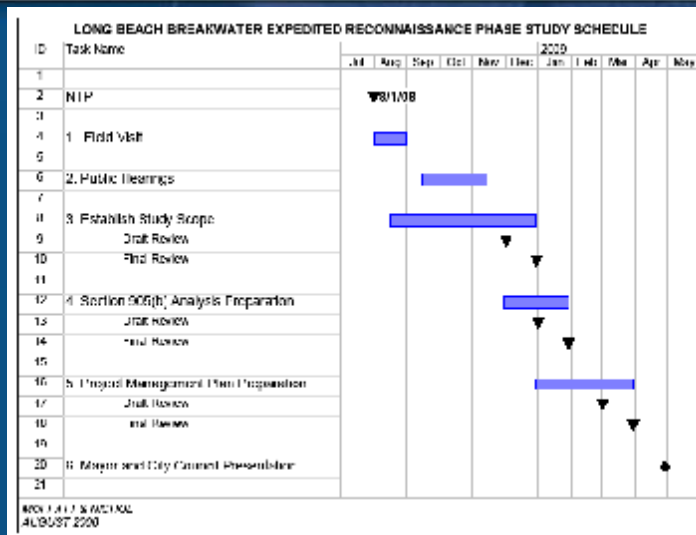
Purpose of recon study is to determine potential for federal interest



## Local sponsors must also be aware of potential costs

- Fed is driving the bus since their breakwater
- City also have mission and goals
  - Improve water quality
  - Improved water-related recreation
  - Improve tourism
- Feasibility study is a 50-50 cost sharing arrangement with the Fed
- Locals responsible for 35% of construction costs

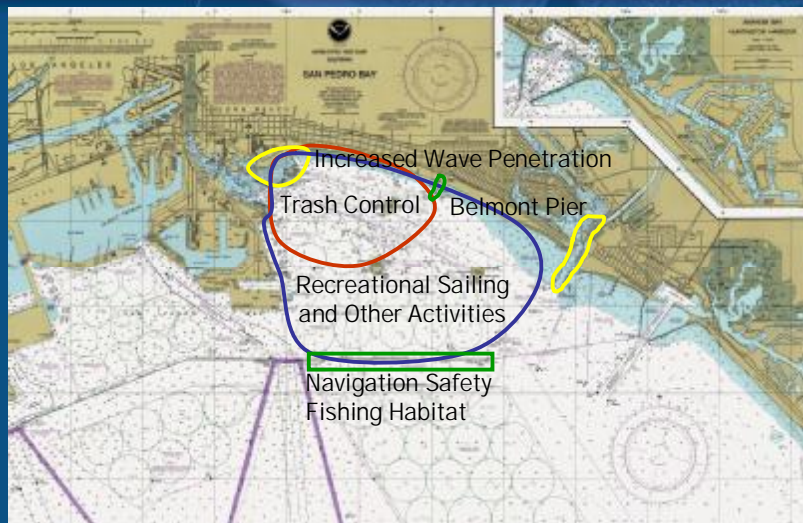
## Limited scope & budget requires effective stakeholder input



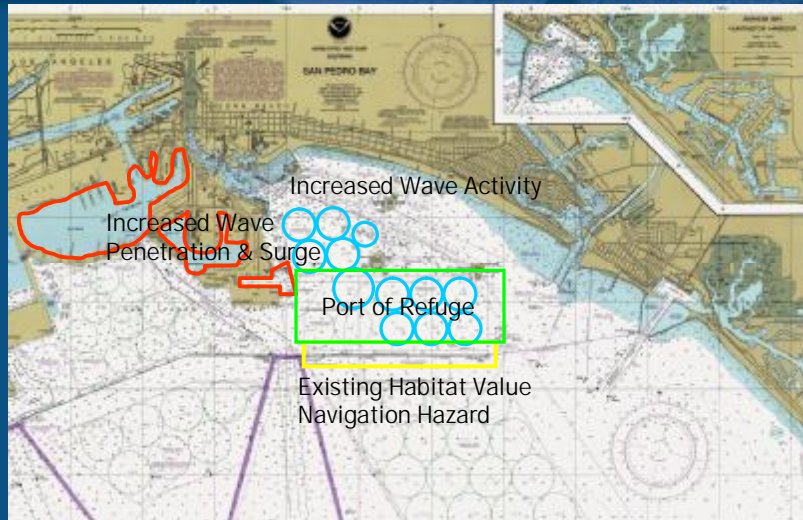
## Stakeholder Issues: Surfrider Foundation

- Want beach like Seal, Huntington Beach, South Bay – the difference is waves
- Want to improve water quality and reduce trash and debris
- Want to improve sediment quality along the shoreline
- Want to consider reduced breakwater height and opportunities to plant kelp
- Want economic benefit of a cleaner beach

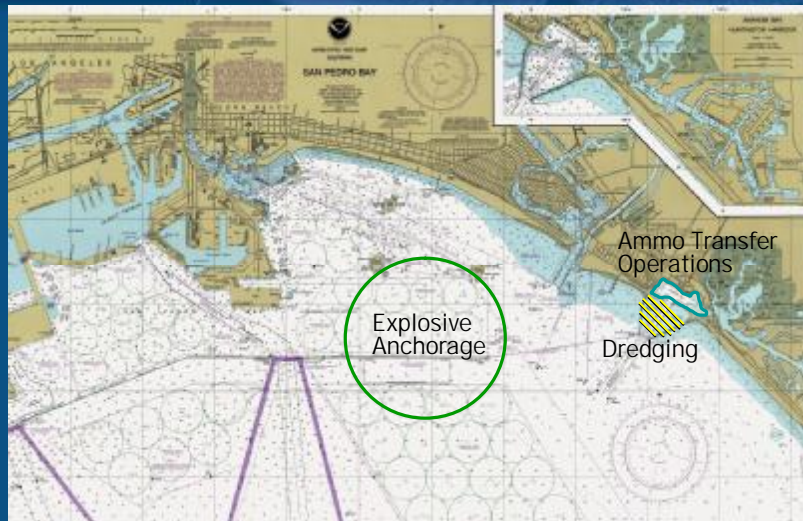
## Stakeholder Issues: LB Lifeguards & Marinas



## Stakeholder Issues: Port of Long Beach / Port Pilots / Port Operators



## Stakeholder Issues: U.S. Navy – Seal Beach Naval Weapons Station



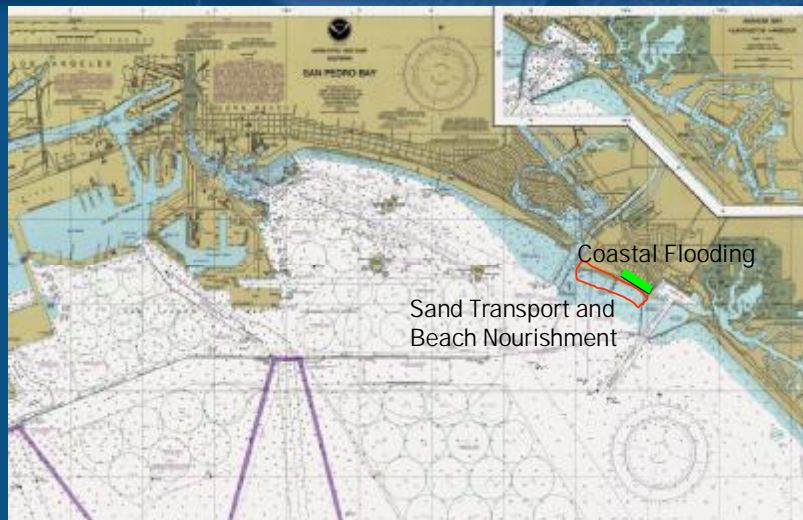
## Stakeholder Issues: U.S. Coast Guard



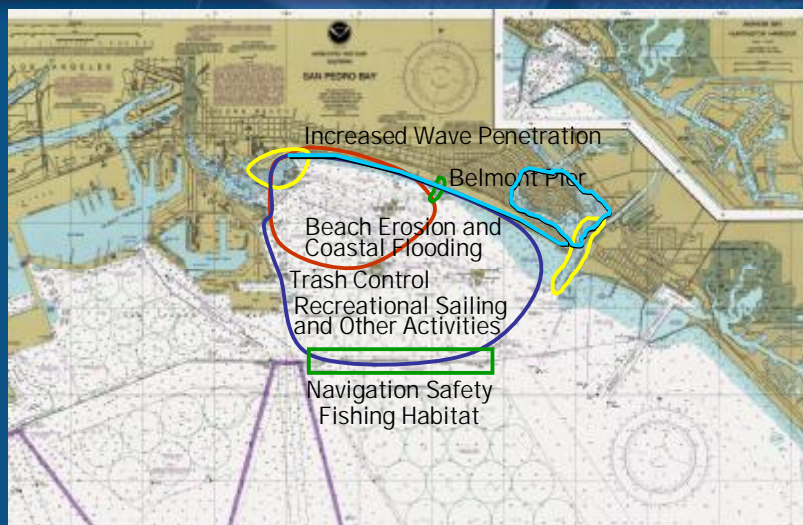
## Stakeholder Issues: THUMS



## Stakeholder Issues: City of Seal Beach



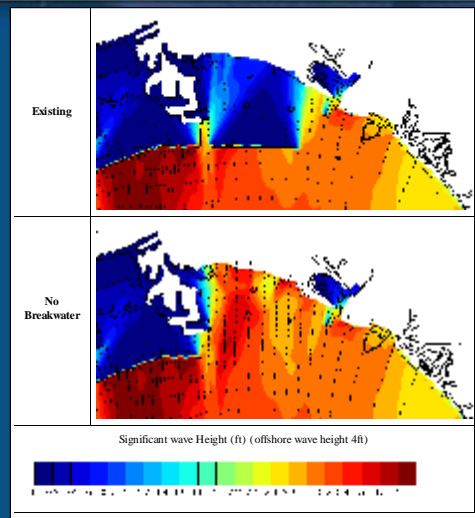
## Stakeholder Issues: Peninsula Beach Preservation Group

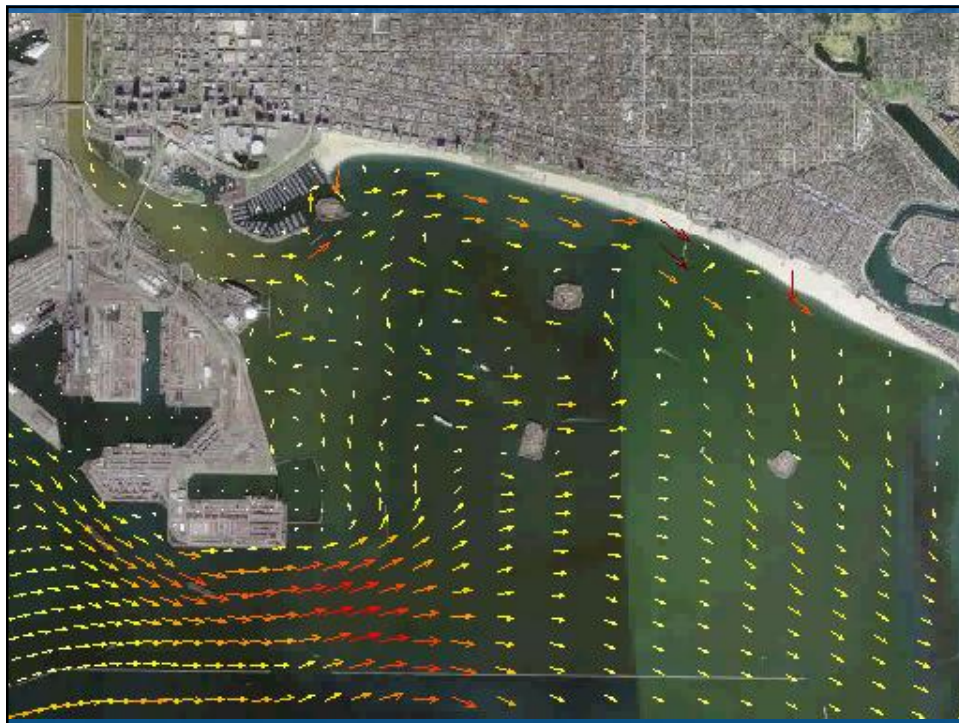
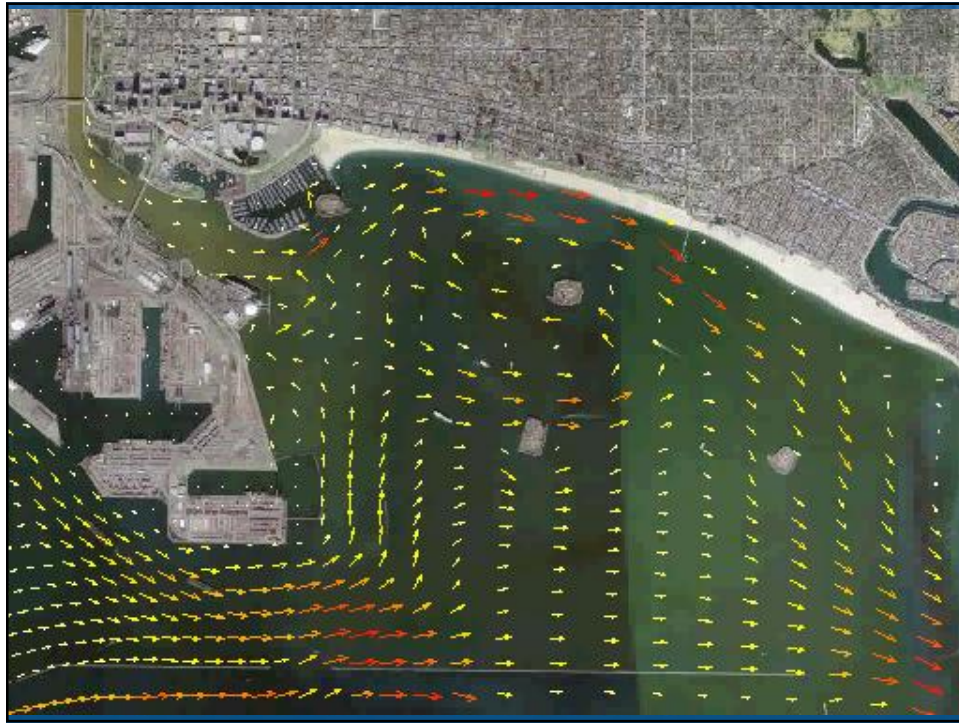


Breakwater does provide important function that must be considered



Breakwater does provide important function that must be considered







## Need the community's best and brightest ideas now

*From the public and City Council debate on this issue, the primary Army Corps mission that this Reconnaissance Study will address is Ecosystem Restoration through improved water quality, while continuing to protect navigation and coastal areas from storms. Increased recreational and tourism benefits, although outside the Army Corps' core mission, are also important to Long Beach.*

City of Long Beach RFP

## COE Policy for Ecosystem Restoration

- Restore to Less-Degraded, More Natural Conditions
- Full Integration with Social and Economic Goals
- Consider from Watershed Perspective
- Analyze both Monetary and Non-Monetary Benefits
- Coordination with Missions of Other Agencies

## Is it feasible to reconfigure the Long Beach Breakwater?

- Restoration of nearshore to open coast habitat
- Improved transport of river sediments and contaminants away from the beach and nearshore habitat
- Improved benthic habitat
- Increasing rocky shallow water habitat
- Reduction of bacterial water quality exceedences on the beach

## The benefits of the project must exceed the costs

- Bring our collective knowledge and experience to the project
- Our time to collaborate is now
- Do the benefits exceed the costs?

## Public Workshops

- Turning “input” into authorship
- Identify the diverse groups in the community
- Work with the City to identify strategy
- Three meeting format
  - Separate locations
  - Interest group meetings within each meeting
  - Sequential meetings build on previous input

## Public Input Documentation

ISSUES / OPPORTUNITIES / CONSTRAINTS	LOCAL	FEDERAL
PROTECT SHORE	✓	✓
MORE PARKING	✓	
GENERATE ECONOMIC VALUE FROM BEACH PARKING	✓	✓

ISSUES	LOCAL	FEDERAL	ISSUES	LOCAL	FEDERAL
PROTECTION OF SHORELINE CONSTITUTION, HUMANITY, USE - WIDE BEACHES (BEACH) - PROTECT (NO TRUCKS, NO BEACH TRUCKS) - BRING BACK SAND BUT NOT POLLUTANTS Q: WITH BEACH MAINTENANCE BE CONSIDERS IN AREAS INCREASE PROPERTY VALUE / TAX REVENUE - CAN USE JETTY TO STABILIZE SAND?	✓	✓	COAST EFFECTS WILL BE REDUCED BY EXISTING COASTLINE - COASTAL DEVELOPMENT - RECREATIONAL, ECONOMIC - PROTECT HUMANITY (WATER) - MAINTAIN THE SAND Q: HOW CAN THIS BE DONE BEACH TRUCKS WORKING? - REMOVED, MAKE IT BEACH AND USE TO STABILIZE BEACH (JETTY)	✓	✓
SHORELINE MAINTENANCE (RESCUE THE BEACH) - REUSE MATERIAL FOR NEW TRUCKS OF MATERIAL - REUSE (NO TRUCKS) - REUSE Q: HOW CAN THIS BE DONE BEACH TRUCKS WORKING? - REMOVED, MAKE IT BEACH AND USE TO STABILIZE BEACH (JETTY)	✓	✓	SHORELINE MAINTENANCE (RESCUE THE BEACH) - REUSE MATERIAL FOR NEW TRUCKS OF MATERIAL - REUSE (NO TRUCKS) - REUSE Q: HOW CAN THIS BE DONE BEACH TRUCKS WORKING? - REMOVED, MAKE IT BEACH AND USE TO STABILIZE BEACH (JETTY)	✓	✓

## Sample Workshop Design Exercise



## Workshop Outcome Potential Breakwater Relocation Options



That concludes the formal  
presentation...

Let's get started!